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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/629,064	07/28/2003	Gregory S. Herman	200309681-1	5845	
22879 7:	590 10/16/2006	EXAMINER			
	ACKARD COMPANY	•	RUTHKOSI	CY, MARK	
	00, 3404 E. HARMONY I AL PROPERTY ADMINI	ART UNIT	PAPER NUMBER		
FORT COLLINS, CO 80527-2400			1745		
		•	DATE MAILED: 10/16/2000	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application No. Application No. HERMAN ET AL. Examiner Mark Ruthkosky Art Unit					V				
Examiner Mark Ruthkosky 1745		Application	No.	Applicant(s)					
Mark Ruthkosky 1745	,	10/629,064		HERMAN ET AL.					
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Enterations time may be available used the provision of 3° CFR 1-1369. In me server, rowers, was next yet within \$100 or 100 or 1	Office Action Summary	Examiner		Art Unit	-				
Partial for Reply		Mark Ruthko	sky	1745					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. **INCHARGE MONTHS from the mailing date of the communication.** **IN O period for reply is specified above. The maximum statutory peeded will apply and will regine SIX (8) MONTHS from the mailing date of the communication.** **In No period for reply is specified above. The maximum statutory peeded will apply and will regine SIX (8) MONTHS from the mailing date of this communication. **Failute to reply wheth the set or centred period for reply-will, by status, cause the application become APAPADOLO (36 U.S.C. § 133) reasoned patient term adjustment. Set 37 CPR 1.704(b). **This action is FINAL.** 2b This action is non-final.** 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Queyle, 1935 C.D. 11, 453 O.G. 213. **Disposition of Claims** 4) Claim(s) 1-2f is/are pending in the application. 4) Of the above claim(s) 1-14 and 35-58 is/are withdrawn from consideration. 5) Claim(s) Sara allowed. 6) Claim(s) Sara e subject to restriction and/or election requirement. **Application Papers** 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers* 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers* 9) The specification is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 11) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1 Certified copies of the priority documents have been received in Application No. 3 Copies of the certified copies of the priority		tion appears on the c	over sheet with the c	orrespondence address					
1) Responsive to communication(s) filed on \$\textit{94 August 2006}\$. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under \$Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) \$\frac{16}{16}\$ is/are pending in the application. 4a) Of the above claim(s) \$\frac{1-61}{14}\$ ind \$\frac{35-58}{16}\$ is/are withdrawn from consideration. 5) Claim(s) \$\text{is/are allowed.}\$ 6) Claim(s) \$\text{is/are allowed.}\$ 7) Claim(s) \$\text{is/are objected to.}\$ 8) Claim(s) \$\text{is/are subject to restriction and/or election requirement.}\$ Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on \$\text{is/are: a}\$ accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. \(\frac{5}{119} \) 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. \(\frac{5}{19} \) 119(a)-(d) or (f). a) All b) Some \$\text{c}\$ Cylined copies of the priority documents have been received. 2 Certified copies of the priority documents have been received in Application No. \$\text{3}\$ Copies of the certified copies of the priority documents have been received in Application No. \$\text{3}\$ Copies of the certified copies of the priority documents have been received. Attachment(s) 1) Notice of References Cited (PTO-892) 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Paper Not(s)/Mail Date \$\text{3}\$ Chromatic Patent Application Paper Not(s)/Mail Date \$\text{3}\$ Chromatic Paper Not(s)/Mail Date \$\text{4}\$ Chromatic Paper Not(s)/Mail Date \$\text{4}\$ Chromat	A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAII - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communi - If NO period for reply is specified above, the maximum statute - Failure to reply within the set or extended period for reply will Any reply received by the Office later than three months after	LING DATE OF THIS by CFR 1.136(a). In no event, cation. bry period will apply and will ex by statute, cause the applica	COMMUNICATION however, may a reply be tim triping SIX (6) MONTHS from the become ABANDONED	I. ely filed the mailing date of this communic (35 U.S.C. § 133).					
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ELECTION OF SPECIES

Election/Restrictions

This application contains claims directed to the following patentably distinct species:

- I. Claims 15-19 and 59-61, drawn to a dopant application apparatus comprising a substrate advancement mechanism.
- II. Claims 15 and 20-23, drawn to a to a dopant application apparatus comprising a second plurality of fluid ejection devices disposed on the frame.
- III. Claims 15 and 24-34, drawn to a dopant application apparatus comprising a ceramic formation mechanism associated with the frame.

The species are independent or distinct because they include a different attachment coupled to the frame. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 15 is generic.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Examiner Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Ruthkosky whose telephone number is 571-272-1291. The examiner can normally be reached on FLEX schedule (generally, Monday-Thursday from 9:00-6:30.) If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mark Ruthkosky
Primary Patent Examiner
Art Unit 1745

10.11.2006